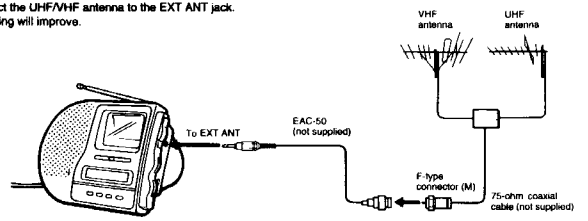
Connecting an Outdoor Antenna

Connect the UHF/VHF antenna to the EXT ANT jack.
Receiving will improve.



Troubleshooting Guide

The unit does not operate.	• The AC power cord is disconnected.
Herringbone pattern, double images, stripes, too indistinct, etc.	• Improper tuning or antenna setting.
Dotted line or stripes	• Often caused by interference from neon signs, hair dryers, electric razors, car ignition, etc. Adjust the telescopic antenna.
No sound from speaker	• VOLUME is turned down completely. • The earphone is connected.
Noise is heard with FM reception.	• Often caused by very strong radio station signals. Fold the telescopic antenna, or remove the antenna connected to the EXT ANT jack.

SONY

3-754-070-22 (1)

Black and White TV AM/FM Tuner

FD-C290

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model and serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

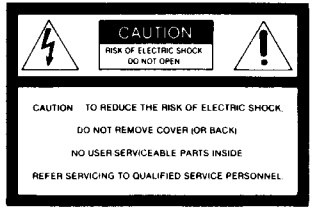
Model No. FD-C290 Serial No. .....

watchman

Sony Corporation ©1991 Printed in Taiwan R.O.C.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Features

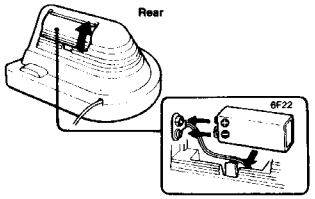
- 2.7-inch black and white flat picture tube
- FM/AM radio is combined.
- Electronic digital alarm clock and sleep timer are combined.
- Three wake-up modes are available: TV, radio or buzzer alarm.

Power Sources

Connect the AC power cord to a wall outlet.

Backup during Power Interruption

We recommend *installing a 6F22* battery (not supplied) for the *power backup function*. If the AC power supply is interrupted, the battery supplies power to keep the clock operating and holding the alarm time setting.



- During power interruption, the clock function is maintained although illumination of the indicator goes off. The alarm sound does not come on.
- When there was a long power interruption and therefore the battery exhausted, the displayed time may not be correct (it may gain or lose 10 minutes or less per hour).
- This battery is only for clock operation and alarm memory during power interruption. You cannot watch the TV or listen to the radio with the battery.

When to replace the battery

If you want to check the battery condition, unplug the AC power cord from the wall outlet and plug it in again after a few minutes. If the displayed time is incorrect, replace the battery with a new one.

Battery life

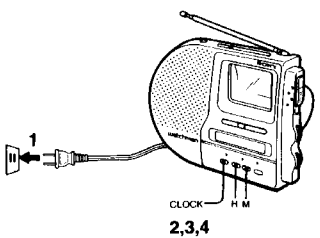
Approximately 65 hours using Sony battery S-006P/6F22 (U) without the AC power supply

Caution

- Be sure to install the battery while the AC power cord is connected.
- When the unit is left unplugged for a long time, remove the battery to avoid undue battery discharge and unit damage from battery leakage.

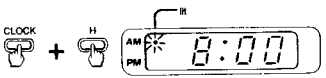
Setting the Clock

Example: To set to 8:15 AM



1 **Connect the AC power cord to a wall outlet.**

2 **To set the hour, while pressing the CLOCK button, press the H button until 8 appears.**



3 **To set the minute, while pressing the CLOCK button, press the M button until 15 appears.**

4 **Release the CLOCK button simultaneously with the radio or telephone time signal.**
The clock starts operating.

- Each press on the H or M button advances the displayed number by one.
- The minute digits advance to "00" after "59". The hour digits do not advance by pressing the M button.

Precautions

- Operate the unit only on 120 V AC, 60 Hz.
- To disconnect the cord, pull it out by the plug, not by the cord.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.
- Do not leave the unit in a location near heat sources or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place the unit in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Should any liquid or solid object fall into the unit, unplug the unit and have the unit checked by qualified personnel before operating it any further.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Avoid rough handling.
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the finish.

If you have any question or problem concerning your unit, please consult the nearest Sony dealer.

Note to CATV system installer in the U.S.A.:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Specifications

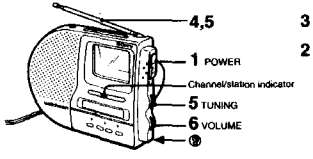
TV standard	American TV standard
Channel coverage	
	VHF channels 2 – 13
	UHF channels 14 – 69
Frequency range	
	FM 87.6 – 108 MHz
	AM 530 – 1,710 KHz
Antenna	VHF/UHF/FM: telescopic antenna
	AM: built-in ferrite bar antenna
Picture tube	2.7-inch picture measured diagonally
Input	EXT ANT: minijack, 75 ohms
Output	Earphone: minijack, impedance 8 – 300 ohms
Speaker	Full range ϕ 77 mm (ϕ 3 inches)
Power requirements	
	120 V AC, 60 Hz
Power consumption	
	TV 5.5 W, radio 2.6 W, clock 1.5 W
Dimensions	Approx. 224 x 167.5 x 117.5 mm (w/h/d) (8 7/8 x 6 5/8 x 4 5/8 inches) incl. projecting parts and controls
Weight	Approx. 1.0 kg (2 lb 3 oz)

Design and specifications are subject to change without notice.

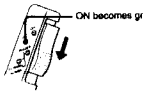
Optional accessories
Sony battery S-006P/6F22 (U)
Earphones ME-L82
Antenna connector EAC-50

Watching the TV / Listening to the Radio

Watching the TV



1 Set the POWER switch to ON.



2 Set the TV/RADIO selector to TV.

3 Select the band, UHF or VHF.

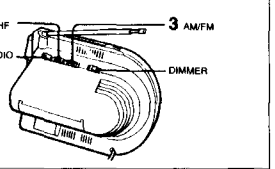
4 Pull out the antenna.

5 Tune in the channel you want and adjust the antenna.

6 Adjust the volume.

To turn off the TV
Set the POWER switch to OFF.

Listening to the Radio



2 Set the TV/RADIO selector to RADIO.

3 Select the band, AM or FM.

4 Pull out the antenna.

5 Tune in the station you want and adjust the antenna.

6 Adjust the volume.

To turn off the radio
Set the POWER switch to OFF.

[illegible]

When the clock display is too bright to watch the TV, set the DIMMER switch to L.

To return to the original brightness, set to H.

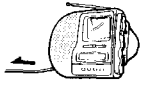
Note

When you turn on the TV, the clock display dims automatically.

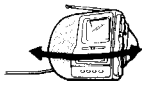
To listen with an earphone
Connect the ME-L82 earphone (not supplied) to the Ⓟ jack. When you connect a pair of headphones, the same sound is heard from both sides.

To improve the radio reception

FM: *Extend the AC power cord fully.*

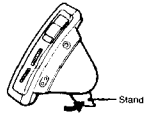


AM: *Rotate the unit horizontally.*



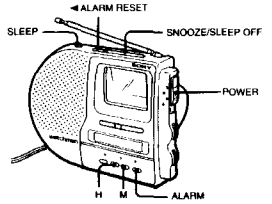
How to Use the Stand

When you pull out the stand, the TV becomes vertical.



Setting the Alarm

Example: To set the alarm time to 7:15 AM.
For TV or radio alarm, tune in the channel or station you want and ajust the volume.



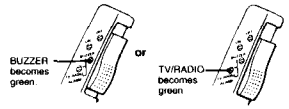
1 To set the hour, while pressing the ALARM button, press the H button until 7 appears.

2 To set the minute, while pressing the ALARM button, press the M button until 15 appears.

3 Release the ALARM button.

4 Set the POWER switch to BUZZER or TV/RADIO.
For beeping alarm, set to BUZZER.
For TV or radio alarm, set to TV/RADIO ALARM.

For beeping alarm **For TV or radio alarm**

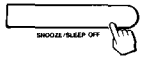


The selected alarm sound will come on at the preset time.
The alarm will automatically shut off after about 120 minutes.

To stop the alarm (1)
Slide the ◀ ALARM RESET button to the left.
The alarm will stop and come on again next day at the same time.

To stop the alarm (2)
Set the POWER switch to OFF.
The alarm will not come on again next day, but the preset alarm time is remained until you change the alarm time or power is disconnected. To set the alarm at the same time, perform step 4 above.

When you want to doze a few more minutes
Press the SNOOZE/SLEEP OFF bar.
The alarm will stop, but will come on again after about 9 minutes.
You can repeat this snooze function for 120 minutes.



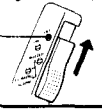
The volume of the alarm
The TV and radio volume can be adjusted with the VOLUME control. However, even if the volume is completely turned down, the TV and radio alarm can be heard.
The beeping volume is fixed.

To check the preset time
Press the ALARM button.

Setting the Sleep Timer

You can have the unit turned off after 59 minutes.

1 While watching the TV or listening to the radio, set the POWER switch to OFF.

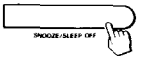


2 Press the SLEEP button.
The TV or radio which you have been enjoying turns on again and will turn off after 59 minutes.

Every time you press the SLEEP button, the sleep timer is reset to 59 minutes.

To set the alarm with the sleep timer
When you want to wake up to beeping alarm the next morning, set the POWER switch to BUZZER in step 1.
When you want to wake up to TV or radio alarm, set the POWER switch to TV/RADIO ALARM in step 1.

To cancel the sleep timer setting and turn off the TV or radio
Press the SNOOZE/SLEEP OFF bar.



If the preset alarm time comes while the sleep timer is operating
The sleep timer is canceled.
- *For the TV or radio alarm, the TV or radio keeps operating and turns off after 120 minutes.*
- For the beeping alarm, the TV or radio turns off and beeping sound comes on.